

Appl. No. 10/501,164
Amdt. dated Nov. 2, 2006
Reply to Office action of Aug. 17, 2006

REPLACEMENT ABSTRACT:

A metal-halide lamp has longer life and improved corrosion resistance. The lamp has a discharge vessel with a ceramic wall enclosing a discharge space which contains an ionizable filling containing a quantity of halide of sodium, calcium and thallium, in addition to mercury. The ionizable filling has calcium iodide in a molar quantity which lies between 20 and 50% of the total molar quantity of the sodium, calcium and thallium halides. Preferably, the molar quantity of calcium iodide lies between 25 and 35% of the total molar quantity of the halides.